

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A method of obtaining a digital certificate for communication devices, comprising the steps of:

obtaining a number of daily production units according to a daily production plan;

obtaining identification information corresponding to production numbers for communication devices;

storing digital certificates only for each of the daily production units ~~each~~ with corresponding identification information in a digital certificate management device;

scanning identification information from one of the communication devices;

adding the identification information of the communication device to a digital certificate transmission request for obtaining a digital certificate to be used for confirming the communication device during communication;

transmitting the identification-information-added digital certificate transmission request to the digital certificate management device;

receiving a corresponding one of the digital certificates from the digital certificate management device in response to the identification-information-added digital certificate transmission request;

transmitting the correspondingly received digital certificate to the communication device; and

writing the correspondingly received digital certificate to memory in the communication device.

2. (currently amended) A method of obtaining a digital certificate for communication devices, comprising the steps of:

obtaining a number of daily production units according to a daily production plan;

obtaining identification information corresponding to production numbers for communication devices;

storing digital certificates only for each of the daily production units each with corresponding identification information in a digital certificate management device;

scanning identification information from one of the communication devices;

adding the identification information of a predetermined number of the communication devices for production to a digital certificate transmission request for obtaining digital certificates to be used for confirming the communication devices during communication;

transmitting the identification-information-added digital certificate transmission request to the digital certificate management device;

receiving corresponding ones of the digital certificates from the digital certificate management device in response to the identification-information-added digital certificate transmission request;

temporarily storing the correspondingly received digital certificates in memory of an information processing device;

inputting a portion of the identification information on the predetermined number of the communication devices;

reading the digital certificates corresponding to the inputted identification information from the information processing device;

transmitting each of the correspondingly read digital certificates to a corresponding one of the communication devices according to the inputted identification information; and

writing each of the correspondingly read digital certificates to memory in the corresponding one of the communication devices.

3. (original) The method of obtaining a digital certificate for communication devices according to claim 2 further comprising an additional step of coding each of the correspondingly read digital certificates prior to transmitting to a corresponding one of the communication devices according to the inputted identification information.
4. (original) The method of obtaining a digital certificate for communication devices according to claim 2 further comprising an additional step of setting a completion flag indicative of successfully writing the digital certificate in the communication device upon successfully completing said writing step.
5. (original) The method of obtaining a digital certificate for communication devices according to claim 2 further comprising an additional step of deleting the digital certificate from the information processing device upon successfully completing said writing step.
6. (currently amended) A method of obtaining a digital certificate for communication devices, comprising the steps of:
 - obtaining a number of daily production units according to a daily production plan;
 - obtaining identification information corresponding to production numbers for communication devices;
 - storing digital certificates only for each of the daily production units ~~each~~ with corresponding identification information in a digital certificate management device;
 - scanning identification information from one of the communication devices;
 - adding the identification information of a predetermined number of the communication devices for production to a digital certificate transmission request for obtaining digital certificates to be used for confirming the communication devices during communication;
 - transmitting the identification-information-added digital certificate transmission request to the digital certificate management device;

receiving corresponding ones of the digital certificates from the digital certificate management device in response to the identification-information-added digital certificate transmission request;

temporarily storing the correspondingly received digital certificates in memory of an information processing device;

scanning a barcode indicative of the identification information on the predetermined number of the communication devices from a predetermined source;

reading the digital certificates corresponding to the scanned identification information from the information processing device;

transmitting each of the correspondingly read digital certificates to a corresponding one of the communication devices according to the scanned identification information; and

writing each of the correspondingly read digital certificates to memory in the corresponding one of the communication devices.

7. (original) The method of obtaining a digital certificate for communication devices according to claim 6 further comprising an additional step of coding each of the correspondingly read digital certificates prior to transmitting to a corresponding one of the communication devices according to the scanned identification information.

8. (original) The method of obtaining a digital certificate for communication devices according to claim 6 further comprising an additional step of setting a completion flag indicative of successfully writing the digital certificate in the communication device upon successfully completing said writing step.

9. (original) The method of obtaining a digital certificate for communication devices according to claim 6 further comprising an additional step of deleting the digital certificate from the information processing device upon successfully completing said writing step.

10. (currently amended) An information processing apparatus for obtaining a digital certificate for communication devices, comprising:

a communication terminal for obtaining a predetermined number of daily production units according to a daily production plan;

a production management system for providing production numbers as a part of identification information;

a scanning unit for scanning identification information from a communication device;

a digital certificate transmission request unit connected to said scanning unit and said communication terminal for adding the identification information of the communication device to a digital certificate transmission request for obtaining a digital certificate to be used for confirming the communication device during communication and transmitting the identification-information-added digital certificate transmission request to a digital certificate management device; and

a digital certificate processing unit connected to said digital certificate transmission request unit for receiving a corresponding one of the digital certificates for the predetermined number of daily production units from the digital certificate management device in response to the identification-information-added digital certificate transmission request, said processing digital certificate unit transmitting the correspondingly received digital certificate to the communication device and writing the correspondingly received digital certificate to memory in the communication device.

11. (currently amended) An information processing apparatus for obtaining a digital certificate for communication devices, comprising:

a communication terminal for obtaining a predetermined number of daily production units according to a daily production plan;

a production management system for providing production numbers as a part of identification information;

a scanning unit for scanning identification information from a communication device;

a digital certificate transmission request unit connected to said scanning unit and said communication terminal for adding the identification information of a predetermined number of the communication devices for production to a digital certificate transmission request for obtaining digital certificates to be used for confirming the communication devices during communication, said digital certificate transmission request unit transmitting the identification-information-added digital certificate transmission request to a digital certificate management device;

a digital certificate processing unit connected to said digital certificate transmission request unit for receiving corresponding ones of the digital certificates for the predetermined number of daily production units from the digital certificate management device in response to the identification-information-added digital certificate transmission request, said digital certificate processing unit temporarily storing the correspondingly received digital certificates in memory of an information processing device; and

an inputting unit connected to said digital certificate processing unit for inputting a portion of the identification information on the predetermined number of the communication devices to said digital certificate processing unit, wherein said digital certificate processing unit reading the digital certificates corresponding to the inputted identification information from the information processing device, said digital certificate processing unit transmitting each of the correspondingly read digital certificates to a corresponding one of the communication devices according to the inputted identification information and writing each of the correspondingly read digital certificates to memory in the corresponding one of the communication devices.

12. (original) The information processing apparatus for according to claim 11 further comprising a coding unit connected to said digital certificate processing unit for coding each of the correspondingly read digital certificates prior to transmitting to a

corresponding one of the communication devices according to the inputted identification information.

13. (original) The information processing apparatus for according to claim 11 further comprising a flag setting unit connected to said digital certificate processing unit for setting a completion flag indicative of successfully writing the digital certificate in the communication device after said digital certificate processing unit successfully completes writing of the digital certificate in the communication device.

14. (original) The information processing apparatus for according to claim 11 further comprising a deleting unit connected to said digital certificate processing unit for deleting the digital certificate from the information processing device after said digital certificate processing unit successfully completes writing of the digital certificate in the communication device.

15. (currently amended) An information processing apparatus for obtaining a digital certificate for communication devices, comprising:

a communication terminal for obtaining a predetermined number of daily production units according to a daily production plan;

a production management system for providing production numbers as a part of identification information;

a scanning unit for scanning identification information from a communication device;

a digital certificate transmission request unit connected to said scanning unit and said communication terminal for adding identification information of a predetermined number of the communication devices for production to a digital certificate transmission request for obtaining digital certificates to be used for confirming the communication devices during communication, said digital certificate transmission request unit

transmitting the identification-information-added digital certificate transmission request to a digital certificate management device;

a digital certificate processing unit connected to said digital certificate transmission request unit for receiving corresponding ones of the digital certificates for the predetermined number of daily production units from the digital certificate management device in response to the identification-information-added digital certificate transmission request, said digital certificate processing unit temporarily storing the correspondingly received digital certificates in memory of an information processing device; and

a scanning unit connected to said digital certificate processing unit for scanning a barcode indicative of the identification information on the predetermined number of the communication devices from a predetermined source, wherein said digital certificate processing unit reading the digital certificates corresponding to the scanned identification information from the information processing device, said digital certificate processing unit transmitting each of the correspondingly read digital certificates to a corresponding one of the communication devices according to the scanned identification information and writing each of the correspondingly read digital certificates to memory in the corresponding one of the communication devices.

16. (original) The information processing apparatus for according to claim 15 further comprising a coding unit connected to said digital certificate processing unit for coding each of the correspondingly read digital certificates prior to transmitting to a corresponding one of the communication devices according to the inputted identification information.

17. (original) The information processing apparatus for according to claim 15 further comprising a flag setting unit connected to said digital certificate processing unit for setting a completion flag indicative of successfully writing the digital certificate in the

communication device after said digital certificate processing unit successfully completes writing of the digital certificate in the communication device.

18. (original) The information processing apparatus for according to claim 15 further comprising a deleting unit connected to said digital certificate processing unit for deleting the digital certificate from the information processing device after said digital certificate processing unit successfully completes writing of the digital certificate in the communication device.

19. (currently amended) An information management system over a network, comprising:
a production management system for providing production numbers as a part of identification information;

communication devices each further comprising a communication terminal for obtaining a predetermined number of daily production units according to a daily production plan and a memory unit for storing a the predetermined number of digital certificates for the daily production units;

an information processing unit connected to said communication devices further comprising:

a scanning unit for scanning identification information from each of said communication devices;

a digital certificate transmission request unit connected to said scanning unit and said communication terminal for adding the identification information of a predetermined number of said communication devices for production to a digital certificate transmission request for obtaining digital certificates to be used for confirming said communication devices during communication and for transmitting the identification-information-added digital certificate transmission;
and

a first digital certificate transmission unit connected to said digital certificate transmission request unit; and

a digital certificate management unit connected to said information processing unit further comprising:

a digital certificate generation unit for receiving the identification-information-added digital certificate transmission and generating a corresponding one of the digital certificates; and

a second digital certificate transmission unit connected to said digital certificate generation unit for transmitting the corresponding one of the digital certificates to said information processing unit,

wherein said digital certificate transmission unit receiving the corresponding one of the digital certificates for the predetermined number of daily production units from said second digital certificate transmission unit in response to the identification-information-added digital certificate transmission request, said first digital certificate transmission unit transmitting the correspondingly received digital certificate to the communication device and writing the correspondingly received digital certificate to said memory in the communication device.

20. (original) The information management system according to claim 19 wherein said digital certificate transmission unit confirms the communication device based upon the digital certificate and further comprises a coding unit connected to said first digital certificate transmission unit for coding each of the correspondingly read digital certificates prior to transmitting to a corresponding one of the communication devices.

21. (original) The information management system according to claim 19 further comprising a flag setting unit connected to said information processing unit for setting a completion flag indicative of successfully writing the digital certificate in the communication device after said first digital certificate transmission unit successfully completes writing of the digital certificate in the communication device.

22. (original) The information management system according to claim 19 further comprising a deleting unit connected to said information processing unit for deleting the digital certificate from said information processing device after said first digital certificate transmission unit successfully completes writing of the digital certificate in the communication device.

23. (currently amended) An information management system over a network, comprising:
a production management system for providing production numbers as a part of identification information;

communication devices each further comprising a communication terminal for obtaining a predetermined number of daily production units according to a daily production plan and a memory unit for storing a-the predetermined number of digital certificates for the daily production units;

an information processing unit connected to said communication devices further comprising:

an input unit for inputting identification information for said communication devices;

a digital certificate transmission request unit for adding the identification information of a predetermined number of said communication devices for production to a digital certificate transmission request for obtaining digital certificates to be used for confirming said communication devices during communication and for transmitting the identification-information-added digital certificate transmission;

a digital certificate storage unit for storing the digital certificates for the daily production units; and

a first digital certificate transmission unit; and

a digital certificate management unit connected to said information processing unit further comprising:

a digital certificate generation unit for receiving the identification-information-added digital certificate transmission and generating a corresponding one of the digital certificates; and
a second digital certificate transmission unit connected to said digital certificate generation unit for transmitting the corresponding one of the digital certificates to said information processing unit,
wherein said digital certificate storage unit receiving the corresponding one of the digital certificates for the predetermined number of daily production units from said second digital certificate transmission unit in response to the identification-information-added digital certificate transmission request, said first digital certificate transmission unit reading the correspondingly received digital certificate from said digital certificate storage unit based upon the inputted identification information and transmitting the correspondingly read digital certificate to the communication device so as to write the correspondingly read digital certificate to said memory in the communication device.

24. (original) The information management system according to claim 23 wherein said digital certificate transmission unit confirms the communication device based upon the digital certificate and further comprises a coding unit connected to said first digital certificate transmission unit for coding each of the correspondingly read digital certificates prior to transmitting to a corresponding one of the communication devices.

25. (original) The information management system according to claim 23 further comprising a flag setting unit connected to said information processing unit for setting a completion flag indicative of successfully writing the digital certificate in the communication device after said first digital certificate transmission unit successfully completes writing of the digital certificate in the communication device.

26. (original) The information management system according to claim 23 further comprising a deleting unit connected to said information processing unit for deleting the

digital certificate from said information processing unit after said first digital certificate transmission unit successfully completes writing of the digital certificate in the communication device.

27. (currently amended) An information management system over a network, comprising:

a production management system for providing production numbers as a part of identification information;

communication devices each further comprising a communication terminal for obtaining a predetermined number of daily production units according to a daily production plan and a memory unit for storing a the predetermined number of digital certificates for the daily production units;

an information processing unit connected to said communication devices further comprising:

a scanning unit for scanning a barcode from said communication devices as identification information for said communication device;

a digital certificate transmission request unit connected to said scanning unit for adding identification information of a predetermined number of said communication devices for production to a digital certificate transmission request for obtaining digital certificates to be used for confirming said communication devices during communication and for transmitting the identification-information-added digital certificate transmission;

a digital certificate storage unit for storing the digital certificates for the daily production units; and

a first digital certificate transmission unit; and

a digital certificate management unit connected to said information processing unit further comprising:

a digital certificate generation unit for receiving the identification-information-added digital certificate transmission and generating a corresponding one of the digital certificates; and

a second digital certificate transmission unit connected to said digital certificate generation unit for transmitting the corresponding one of the digital certificates to said information processing unit,

wherein said digital certificate storage unit receiving the corresponding one of the digital certificates for the daily production units from said second digital certificate transmission unit in response to the identification-information-added digital certificate transmission request, said first digital certificate transmission unit reading the correspondingly received digital certificate from said digital certificate storage unit based upon the scanned identification information and transmitting the correspondingly read digital certificate to the communication device so as to write the correspondingly read digital certificate to said memory in the communication device.

28. (original) The information management system according to claim 27 wherein said digital certificate transmission unit confirms the communication device based upon the digital certificate and further comprises a coding unit connected to said first digital certificate transmission unit for coding each of the correspondingly read digital certificates prior to transmitting to a corresponding one of the communication devices.

29. (original) The information management system according to claim 27 further comprising a flag setting unit connected to said information processing unit for setting a completion flag indicative of successfully writing the digital certificate in the communication device after said first digital certificate transmission unit successfully completes writing of the digital certificate in the communication device.

30. (original) The information management system according to claim 27 further comprising a deleting unit connected to said information processing unit for deleting the

digital certificate from said information processing unit after said first digital certificate transmission unit successfully completes writing of the digital certificate in the communication device.

31. (currently amended) A storage medium for storing computer executable instructions for performing certain functions for ultimately writing a digital certificate in a memory unit in communication devices, the functions comprising:

obtaining a number of daily production units according to a daily production plan;

obtaining identification information corresponding to production numbers for communication devices;

storing digital certificates only for each of the daily production units ~~each~~ with corresponding identification information in a digital certificate management device;

scanning identification information from one of the communication devices;

transmitting an identification-information-added digital certificate transmission request to the digital certificate management device after adding identification information of a communication device to the identification-information-added digital certificate transmission request for obtaining a digital certificate to be used for confirming the communication device during communication; and

transmitting a correspondingly received digital certificate to the communication device and writing the correspondingly received digital certificate to memory in the communication device after receiving the corresponding one of the digital certificates from the digital certificate management device in response to the identification-information-added digital certificate transmission request.

32. (currently amended) A storage medium for storing computer executable instructions for performing certain functions for ultimately writing a digital certificate in a memory unit in communication devices, the functions comprising:

obtaining a number of daily production units according to a daily production plan;

obtaining identification information corresponding to production numbers for communication devices;

storing digital certificates only for each of the daily production units each with corresponding identification information in a digital certificate management device;

scanning identification information from one of the communication devices;

transmitting an identification-information-added digital certificate transmission request to the digital certificate management device after adding identification information of a predetermined number of communication devices for production to the identification-information-added digital certificate transmission request for obtaining digital certificates to be used for confirming the communication devices during communication;

temporarily storing correspondingly received digital certificates in memory of an information processing device after receiving the corresponding ones of the digital certificates from the digital certificate management device in response to the identification-information-added digital certificate transmission request; and

transmitting each of corresponding digital certificates to a corresponding one of the communication devices according to inputted identification information and writing each of the corresponding digital certificates to memory in the corresponding one of the communication devices after reading the digital certificates corresponding to a portion of the inputted identification information on the predetermined number of the communication devices.

33. (previously amended) The storage medium for storing computer executable instructions for performing certain functions according to claim 32 further comprising an additional function of coding each of the correspondingly read digital certificates prior to transmitting to a corresponding one of the communication devices according to the inputted identification information.

34. (previously amended) The storage medium for storing computer executable instructions for performing certain functions according to claim 32 further comprising an additional function of setting a completion flag indicative of successfully writing the digital certificate in the communication device upon successfully completing said writing function.

35. (previously amended) The storage medium for storing computer executable instructions for performing certain functions according to claim 32 further comprising an additional function of deleting the digital certificate from the information processing device upon successfully completing said writing function.

36. (currently amended) A storage medium for storing computer executable instructions for performing certain functions for ultimately writing a digital certificate in a memory unit in communication devices, the functions comprising:

obtaining a number of daily production units according to a daily production plan;

obtaining identification information corresponding to production numbers for communication devices;

storing digital certificates only for each of the daily production units each with corresponding identification information in a digital certificate management device;

scanning identification information from one of the communication devices;

transmitting an identification-information-added digital certificate transmission request to the digital certificate management device after adding identification information of a predetermined number of communication devices for production to the identification-information-added digital certificate transmission request for obtaining digital certificates to be used for confirming the communication devices during communication;

temporarily storing correspondingly received digital certificates in memory of an information processing device after receiving the corresponding ones of the digital

certificates from the digital certificate management device in response to the identification-information-added digital certificate transmission request; and

transmitting each of corresponding digital certificates to a corresponding one of the communication devices according to scanned a barcode indicative of identification information and writing each of the corresponding digital certificates to memory in the corresponding one of the communication devices after reading the digital certificates corresponding to a portion of the scanned identification information on the predetermined number of the communication devices.

37. (previously amended) The storage medium for storing computer executable instructions for performing certain functions according to claim 36 further comprising an additional function of coding each of the correspondingly read digital certificates prior to transmitting to a corresponding one of the communication devices according to the inputted identification information.

38. (previously amended) The storage medium for storing computer executable instructions for performing certain functions according to claim 36 further comprising an additional function of setting a completion flag indicative of successfully writing the digital certificate in the communication device upon successfully completing said writing function.

39. (previously amended) The storage medium for storing computer executable instructions for performing certain functions according to claim 36 further comprising an additional function of deleting the digital certificate from the information processing device upon successfully completing said writing function.

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